

Memorandum Reply From

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TO: Professor Heffelin

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You can easily calculate the number of hydrogens with the formula.

$$n_H = (2 + 2n_C + n_N) - 2U$$

$n_C$ ,  $n_N$  and  $U$  are given in the tables.  $n_O$  does not affect  $n_H$ .

all this follows from valence rules. In saturated molecules, adding "C" is equivalent to adding  $\begin{array}{c} H \\ | \\ -C- \\ | \\ H \end{array}$ ; N to  $\begin{array}{c} -N- \\ | \\ H \end{array}$ .

I don't if the original printouts are exact.

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(Δ of Platt)

\*et al.